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| **Course title:**Foundations of Math for Teachers I | **Recommended Course Number:** |
| **Recommended Credit Hours:** | **Recommended Course Prerequisites and/or Co-requisites:** |
| **Next Course in Sequence:** |

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| **Purpose of Course:**Prepare future teachers to teach math |
| **Intended Audience:**ECE and ECU Majors, perhaps liberal studies |
| **Course Description:**First of a two-course sequence for future teachers designed to deepen their conceptual understanding of mathematics. Topics will include problem solving, patterns, reasoning & proof, making mathematical connections, sets, understanding algebraic thinking, numeration systems, understanding the four fundamental operations of arithmetic, basic number theory, and real number system. |
| **Course Major Units:*** problem solving
* patterns
* reasoning & proof
* making mathematical connections
* sets
* understanding algebraic thinking
* numeration systems
* understanding the four fundamental operations of arithmetic
* basic number theory
* real number system
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| **Learning Outcomes:*** Apply problem solving skills to numerical applications at both the primary and secondary level that students would encounter.
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| **Comments:**PrerequisiteTransfer course?Don’t teach at NM but those are the major topics that I taught @UMPI. Similar course title.Teaching methods, the how to teach mathShould it live in an EDU or a Math designation?Teach teachers to teach math? TechniquesMethods and math course?The last bit is confusingMore details |